UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF
THE DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH BOUNDARY

(THIRD STANDARD PARALLEL SOUTH),

A PORTION OF THE SUBDIVISIONAL LINES,

AND THE

SUBDIVISION OF SECTIONS 10 AND 11,

IN

TOWNSHIP 15 SOUTH, RANGE 3 WEST

OF THE SALT LAKE MERIDIAN

IN THE STATE OF UTAH

EXECUTED BY

Ronald K. Baugh and M. Ross Workman Supervisory Cadastral Surveyors

Under special instructions dated September 3, 1996, approved September 3, 1996, which provided for the surveys included under Group Number 862, and assignment instructions dated September 6, 1996, and supplemental assignment instructions dated September 11, 1997.

Survey commenced *December 3, 1996*Survey completed *October 23, 1997*

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INDEX DIAGRAM

Township 15 South, Range 3 West

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TOWNSHIP 15 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

						iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
	CHAINS	The following field notes describe the dependent resurvey of a portion of the south boundary, (Third Standard Parallel South), a portion of the subdivisional lines, and the subdivision of sections 10 and 11, in Township 15 South, Range 3 West, Salt Lake Meridian, Utah.				
		History of Surveys				
			Surveyed by		Retr. or Resurveyed by	
		SOUTH BOUNDARY (Third Standard Parallel South)				
		Portion All Portion	F. Dickert A.J. Stewart, Jr.	1871 1884	A.J. Stewart, Jr. J.C. Thoma, C.J. Terry and H.W. Miller	1884 1920
		EAST BOU	NDARY			
		Portion All All	F. Dickert A.J. Stewart, Jr.	1871 1884	A.J. Stewart, Jr. R.L. Houston	1884 1997
		WEST BOUNDARY				
		Portion Portion Portion All Portion	J. Gorlinski A.J. Stewart, Jr.	1873 1884	A.J. Stewart, Jr. Stewart and Clark Miller and Hayse J.C. Thoma, C.J. Terry and H.W. Miller	1884 1913 1916 1920
		NORTH BO	OUNDARY			
		All Portion Portion	S.M. Richardson	1884	J.C. Thoma, C.J. Terry and H.W. Miller D.H. Meyers (Mineral Surveyor	1920 1988
		SUBDIVIS	ION		(Ministal Barvey of	
		Portion Portion	A.J. Stewart, Jr. J.C. Thoma, C.J. Terry and H.W. Miller	1884 1920	J.C. Thoma, C.J. Terry and H.W. Miller	1920
-		REMONU	MENTATION			
		Portion	F.D. Reynolds	1969		

TOWNSHIP 15 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 862, dated September 3, 1996.

The directions of a portion of the lines were determined by hour angle observations of the sun, and carried forward by sustained angulation. Distances were determined by electronic measurement. Also the directions and distances of a portion of the lines were determined by the use of Global Positioning System (G.P.S.) using relative positioning techniques.

Preliminary to the resurvey the lines of the original survey were retraced and a diligent search was made for any evidence of the monuments and calls of the original field note record. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line notes are given herein.

The geographic position of the southeast corner of the township, which will also function as a B.L.M. Control Station, was determined by a tie to National Geodetic Survey triangulation station "MILLS", by G.P.S. using relative positioning techniques, is as follows:

Latitude: 39° 27' 38.279" N. Longitude: 112° 07' 40.847" W. N.A.D. 1983.

The geographic position of "MILLS", is:

Latitude: 39° 29' 38.79995" N. Longitude: 112° 06' 52.85850" W. N.A.D. 1983 (1986).

The mean magnetic declination as projected from U.S. Geological Survey "Magnetic Declination Map of 1990", is 13 1/2° E.

Dependent Resurvey of a Portion of the South Boundary, (Third Standard Parallel South) T. 15 S., R. 3 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by F. Dickert in 1871, and the Resurvey Executed by A.J. Stewart, Jr., in 1884

Beginning at the corner of Townships 15 and 16 South, Ranges 2 and 3 West, monumented with an iron post, 2 1/2 inches diameter, firmly set, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1974 resurvey of the south boundary of T. 15 S., R. 2 W..

N. 89° 38.5' W., between sections 1 and 36, on the south boundary of the township.

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY, (THIRD STANDARD PARALLEL SOUTH), T. 15 S., R. 3 W., SALT LAKE MERIDIAN, UTAH

CHAI	NS
40	201

Point for the standard 1/4 section corner of sections 1 and 36, at proportionate distance; there is no remaining evidence of the original corner position.

Set a 5/8 inch rebar, 12 inches long, 8 inches into a drill hole, with aluminum cap marked:

80.582

The corner of sections 1, 2, 35, and 36, monumented with an iron post, 2 1/2 inches in diameter, firmly set, projecting 6 inches above the ground, with brass cap marked as described in the official record of the 1969 remonumentation.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 15 S., R. 3 W., Salt Lake Meridian, Utah

Reestablishment of the Survey Executed by A.J. Stewart, Jr., in 1884

From the corner of sections 1, 2, 35, and 36, hereinbefore described.

N. 0° 29.3' E., between sections 35 and 36.

40.452

Point for the 1/4 section corner of sections 35 and 36, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 18 inches in the ground and in a mound of stone, 4 ft. base, to top of aluminum cap marked:

80.904

Point for the corner of sections 25, 26, 35, and 36, determined latitudinally by proportionate distance and longitudinally by a fence line extending N and S.

THAINS W						
CHAINS	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 16 inches in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of aluminum cap marked:					
	T15S R3W					
	<u>\$26 </u>					
	1997					
	From the corner of sections 25, 30, 31, and 36, on the east boundary of the township, monumented with an aluminum post, 2 1/2 inches diameter, protruding 6 inches above ground, with aluminum cap marked as described in the concurrent resurvey under Group No. 861, of the west boundary of T. 15 S., R. 2 W.					
	N. 89° 55.3' W., between sections 25 and 36.					
40.223	The 1/4 section corner of sections 25 and 36, monumented with a sandstone, 15x13x8 inches, firmly set projecting 6 inches above ground, plainly marked 1/4 on N face, and a T iron alongside.					
	At the corner point					
	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:					
	T15s R3W					
	1/4 <u>\$25</u> \$36					
	1997					
	Deposit the T-iron inside, and the marked stone alongside the aluminum post.					
	N. 89° 03.0' W., beginning new measurement.					
39.891	The corner of sections 25, 26, 35, and 36.					
	N. 0° 39.3' E., between sections 25 and 26.					
40.452	The 1/4 section corner of sections 25 and 26, monumented with an iron post, 2 1/2 inche diameter, projecting 8 inches above ground, with brass cap marked as described in the official record of the 1969 remonumentation.					

CHAINS

From the corner of sections 13, 14, 23, and 24, monumentd with a rebar, 1/2 inch diameter, projecting 5 inches above the ground, with a 2 inch aluminum cap marked:

COMMONWEALTH ASSOC. INC.

LAND COR <u>\$14 | \$13</u> \$23 | \$24 RLS 6464 T155 R3W

A sandstone, 14x8x4 inches, plainly marked 3 notches on the south, and 1 notch on the east, set alongside the rebar.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

Deposit the rebar, aluminum cap and the marked stone alongside the aluminum post.

Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, SW of corner.

Corner is located on a gradual NW slope, about 1 1/2 chains east of a barbed wire fence, bears S and W, and about 1 1/4 chains east of a graveled road, 15 ft. wide, bears NW and S

N. 0° 02.3' W., between sections 13 and 14.

39,469

Point for the 1/4 section corner of sections 13 and 14, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

Raise a mound of stone, 3 ft. base, 2 ft. high, west of the corner.

Corner is located on the SE side of a spur, about 30 links south of the top.

78,938

Point for the corner of sections 11, 12, 13, and 14, at proportionate distance; there is no remaining evidence of the original corner.

CHAINS

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, west of corner

Set a 6 ft. steel fence post alongside the aluminum post.

Corner is located in a flat area in sagebrush, 64 links south of an E and W fence, and 64 links east of a N and S fence.

From this corner, a 1/2 inch rebar with a 2 inch cap marked COMMONWEALTH ASSOC INC LAND COR S11 S12 S13 S14 RLS 6464 T15S R3W, bears N. 43° 56.0' E., 0.816 chains distance. This point was not used in this survey because it was improperly established, using the incorrect corner to the north.

From the corner of sections 12, and 13, on the east boundary of the township, monumented with an aluminum post, 2 1/2 inches diameter, projecting 6 inches above ground, with aluminum cap marked as described in the concurrent resurvey under Group No. 861, of the west boundary of T. 15 S., R. 2 W.

N. 87° 50.7' W., between sections 12 and 13.

39,449

Point for the 1/4 section corner of sections 12 and 13, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, north of the corner.

Corner is located on the southerly slope of a ridge in sagebrush and scattered juniper, and about 3 chains south of an E and W fence.

78.898

The corner of sections 11, 12, 13, and 14.

N. 0° 46.0' E., between sections 11 and 12.

CHAINS **39.472**

The 1/4 section corner of sections 11 and 12, monumented with a quartzite stone, 13x8x4 inches, firmly set and plainly marked 1/4 on west face.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with aluminum cap marked:

Set a 6 ft. steel fence post, and deposit the marked stone alongside the aluminum post.

Raise a mound of stone, 3 ft. base, 2 ft. high, west of the corner.

N. 0° 09.0' W., beginning new measurement.

40.112

The corner of sections 1, 2, 11, and 12, monumented with a rebar, 1/2 inch diameter, projecting 6 inches above the ground, with a 2 inch aluminum cap marked:

A quartzite stone, 12x10x5 inches, plainly marked 5 notches on the south, and 1 notch on the east edges, set alongside the rebar.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 12 inches in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of aluminum cap marked:

Set a 6 ft. steel fence post, and deposit the rebar, aluminum cap, and the marked stone alongside the aluminum post.

From the corner of sections 11, 12, 13, and 14.

N. 88° 57.7' W., between sections 11 and 14.

CHAINS **39.973**

Point for the 1/4 section corner of sections 11 and 14, at proportionate distance; there is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, west of the corner.

Set a 6 ft. steel fence post alongside the aluminum post.

Corner is located in a flat area in scattered sagebrush..

From this corner, a 1/2 inch rebar, with a 2 inch aluminum cap marked COMMONWEALTH ASSOC. INC. LAND COR. 1/4 S11 S14 RLS 6464 T15S R3W, bears N. 36° 27.2′ E., 2.942 chains distance. This point was not used in this survey because it was improperly established using incorrect corners.

79.946

The corner of sections 10, 11, 14, and 15, monumented with a rebar, 1/2 inch diameter, projecting 6 inches above ground, with a 2 inch aluminum cap marked:

A quartzite stone, 19x13x5 inches, plainly marked 4 grooves on the S face and 2 notches on the E edge. Set alongside rebar.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with aluminum cap marked:

Set a 6 ft. steel fence post, and deposit the rebar, aluminum cap and the marked stone alongside the aluminum post.

CHAINS

N. 0° 08.6' E., between sections 10 and 11.

39.813

The 1/4 section corner of sections 10 and 11, monumented with a rebar, 1/2 inch diameter, projecting 6 inches above ground, with a 2 inch aluminum cap marked:

COMMONWEALTH ASSO. INC.

LAND COR. \$10 | \$11 RLS 6464 T15S R3W

This position is harmoniously related to existing original corners, and is accepted as the best available evidence of the original corner position.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

Deposit the rebar with the aluminum cap inside the aluminum post.

Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, west of the corner.

N. 0° 08.7' E., beginning new measurement.

39.803

The corner of sections 2, 3, 10, and 11, monumented with a rebar, 1/2 inch diameter, projecting 6 inches above the ground, with 2 inch aluminum cap marked:

A quartzite stone, 16x10x7 inches, plainly marked 5 notches on the south, and 2 notches on the east edges, set alongside the rebar.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 16 inches in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of aluminum cap marked:

CHAINS	T15S R3W S3 S2 S10 S11 1996			
	Raise a mound of stone, 4 ft. base, 2 high, west of the corner.			
	Set a 6 ft. steel fence post, and deposit the rebar with the aluminum cap and the marked stone alongside the aluminum post.			
	From the corner of sections 1, 2, 11, and 12.			
	N. 88° 56.3' W., between sections 2 and 11.			
40.076	Point for the 1/4 section corner of sections 2 and 11, at proportionate distance; there is no remaining evidence of the original corner.			
	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:			
	T15s R3W			
	1/4 <u>- S2</u> S11			
	1997			
	Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, north of the corner.			
	From this corner, a 1/2 inch rebar, with a 2 inch aluminum cap marked COMMONWEALTH ASSOC. INC. LAND COR. 1/4 S2 S11 RLS 6464 T15S R3W, bear N. 4° 00.0′ W., 0.274 chains distance. This point was not used in this survey because it was improperly established using incorrect corners.			
80.152	The corner of sections 2, 3, 10, and 11.			
	From the corner of sections 10, 11, 14, and 15.			
	N. 85° 46.5' W., between sections 10 and 15.			
41.917	Point for the 1/4 section corner of sections 10 and 15, at proportionate distance; there is no remaining evidence of the original corner.			
	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:			
	T15S R3W 1/4			

CHAINS	Set a 6 ft. steel fence post alongside the aluminum post.		
	A 1/2 inch rebar with a 2 inch aluminum cap marked COMMONWEALTH ASSOC. INC. LAND COR. 1/4 S10 S15 RLS 6464 T15S R3W, was found laying loose on top of the ground.		
	Deposit the 1/2 inch rebar with the aluminum cap alongside the aluminum post.		
83.834	The corner of sections 10 and 15 only, monumented with an iron post, 2 inches diameter, projecting 12 inches above ground and in a collar of stone, with brass cap marked as described in the official record of the 1919 resurvey.		
	Reestablishment of the Survey Executed by A.J. Stewart, Jr., in 1884 and the Resurvey Executed by J.C. Thoma in 1919		
	N. 0° 00.2' W., along the west boundary of section 10.		
32.534	The 1/4 section corner of section 9 only, monumented with an iron post, 1 inch diameter, projecting 12 inches above ground, with a brass cap marked as described in the official record of the 1919 resurvey.		
39.438	The 1/4 section corner of section 10 only, monumented with an iron post, 1 inch diameter, projecting 10 inches above ground, with a brass cap marked as described in the official record of the 1919 resurvey.		
	N. 0° 00.8' W., beginning new measurement.		
32.883	The corner of sections 4 and 9 only, monumented with an iron post, 2 inch diameter, projecting 20 inches above ground, and in a mound of stone, 4 ft. base, to top of brass cap marked as described in the official record of the 1919 resurvey.		
39.315	The corner of sections 3 and 10 only, monumented with an iron post, 2 inch diameter, projecting 18 inches above ground, and in a mound of stone, 5 ft. base, to top of brass cap marked as described in the official record of the 1919 resurvey.		
	Reestablishment of the Survey Executed by A.J. Stewart, Jr., in 1884		
	From the corner of sections 2, 3, 10, and 11.		
	N. 86° 22'.3' W., between sections 3 and 10.		

Dependent Resurvey of A Portion of the Subdivisional Lines, T. 15 S., R. 3 W., Salt Lake Meridian, Utah

CHAINS 41.985	Point for the 1/4 section corner of sections 3 and 10, at proportionate distance; there is no remaining evidence of the original corner.			
	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 3 inches in the ground to bedrock, and in a mound of stone, 5 ft. base, to top of aluminum cap marked:			
	T15s R3W 1/4 <u>s3</u> s10 1997			
	A 1/2 inch rebar with a 2 inch aluminum cap marked COMMONWEALTH ASSOC. INC. LAND COR 1/4 S3 S10 RLS 6464 T15S R3W was found lying loose on top of the ground.			
	Deposit the 1/2 inch rebar with the aluminum cap alongside the aluminum post.			
83.970	The corner of sections 3 and 10 only.			
	The Subdivision of Section 10, T. 15 S., R. 3 W., Salt Lake Meridian, Utah			
	From the 1/4 section corner of sections 10 and 15.			
	N. 0° 04.1' E., on the N-S center line of section 10.			
39.626	Point for the center 1/4 section corner of section 10, at intersection with the E-W center line.			
	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 18 inches in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of aluminum cap marked:			
	T15s R3W			
	C 1/4 S10 1997			
79.186	The 1/4 section corner of sections 3 and 10.			
	From the 1/4 section corner of sections 10 and 11.			
	N. 86° 02.1' W., on the E-W center line of section 10.			
41.952	The center 1/4 section corner of section 10.			

THE SUBDIVISION OF SECTION 10, T. 15 S., R. 3 W., SALT LAKE MERIDIAN, UTAH

CHAINS 83.901	The 1/4 section corner of section 10 only.			
	The Subdivision of Section 11, T. 15 S., R. 3 W., Salt Lake Meridian, Utah			
	From the 1/4 section corner of sections 11 and 14.			
	N. 0° 13.5' E., on the N-S center line of section 11.			
39.645	Point for the center 1/4 section corner of section 11, at intersection with the E-W center line.			
	Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:			
	T15s R3W C 1/4			
	\$11 1997			
	Set a 6 ft. steel fence posit alongside the aluminum post.			
79.600	The 1/4 section corner of sections 2 and 11.			
	From the 1/4 section corner of sections 11 and 12.			
	N. 88° 43.3' W., on the E-W center line of section 11.			
40.345	The center 1/4 section corner of section 11.			
80.373	The 1/4 section corner of sections 10 and 11.			

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity	
John Carroll Shane Chamberlin Ryan Christensen	Cadastral Surveyor Survey Aid Survey Aid	

CERTIFICATE OF SURVEY

We, Ronald K. Baugh and M. Ross Workman, Supervisory Cadastral Surveyors, hereby certify upon honor that, in pursuance of special instructions bearing the date of the 3rd day of September, 1996, we have dependently resurveyed a portion of the south boundary (Third Standard Parallel South), a portion of the subdivisional lines, and subdivided sections 10 and 11, in Township 15 South, Range 3 West,

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by us and under our direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

Jan 20, 1999

Date

(Supervisory Cadastral Surveyor)

JANUARY 20, 1999

Date

(Supervisory Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Salt Lake City, Utah

The foregoing field notes of the dependent resurvey of a portion of the south boundary (Third Standard Parallel South), a portion of the subdivisional lines and the subdivision of sections 10 and 11, in Township 15 South, Range 3 West, Salt Lake Meridian, Utah,

executed by Ronald K. Baugh and M. Ross Workman, Supervisory Cadastral Surveyors

having been critically examined and found correct, are hereby approved

bruary 1,1999

Date

(Chief Cadastral Surveyor for Utah)